

X14A SAFETY CHECKLIST			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
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Original signatures on file.

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- ☐ 1. Valid Padlock Index and Log, no padlocks open
- ☐ 2. Bremsstrahlung shield (BS #1) imbedded in the concrete shield wall
- ☐ 3. Exclusion zone # 1 and lead-glass cover on Viewport #1 under the slit ensemble in place and secure.
- ☐ 4. Exclusion zone # 2 (on top of the slit control feeder) in place and secure
- ☐ 5. Lead shielding on bellows shield #1 (upstream of mirror tank) as per photo.
- ☐ 6. Lead shielding on Mirror tank in place as per photo
- ☐ 7. Lead shielding on Bellows #2 as per photo.
- ☐ 8. Exclusion zone # 3 (extending from bellows shield #2 to Bremsstrahlung shield #2) in place and secure.
- ☐ 9. Lead glass on Viewport # 3 (located on the 4-way cross downstream of Be window).
- ☐ 10. Exclusion Zone # 4 in place and secure.
- ☐ 11. Bremsstrahlung shield #2 (mounted on the stand upstream of the monochromator see photo).
- ☐ 12. Lead-glass covers Viewport #4 (located on the upstream side of the monochromator tank).
- ☐ 13. Lead-glass covers Viewport #5 (located on the X13 side of the monochromator tank).
- ☐ 14. Lead-glass covers Viewport #6 (located on the X15 side of the monochromator tank).
- ☐ 15. Bremsstrahlung shield #3 (mounted on the stand downstream of the monochromator see photo).

User System Checks

- ☐ A. Isolation Valve V1A is unsealed and in the Open position.
- ☐ B. Monochromator pressure must be no greater than 100 milli-torr (pressure gauge located in electronics rack on the X15 side of beamline, midway between the monochromator tank and the hutch).

Checked by: _____ Date: _____

OPCO: _____ Date: _____